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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/546,823	04/11/2000	Ning Nicholas Chen	EUS04042-EWU	4725
24112	7590	04/01/2004	EXAMINER	
COATS & BENNETT, PLLC			LEE, CHI HO A	
P O BOX 5			ART UNIT	PAPER NUMBER
RALEIGH, NC 27602			2663	12

DATE MAILED: 04/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/546,823

Applicant(s)

CHEN ET AL.

Examiner

Andrew Lee

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 January 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7-10, 19 and 20 is/are rejected.
- 7) ☒ Claim(s) 4-6, 11-18 and 21-27 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:

- ☐ Certified copies of the priority documents have been received.
- ☐ Certified copies of the priority documents have been received in Application No. _____.
- ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 7-10, and 19-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Koshino U.S. Patent Number 6,603,763.

Re Claims 1, 7, Koshino teaches in fig. 2, the Internet Connection Device 11 (PCF) coupled to plurality of Packet switches (at least one Packet Data Servicing Node) wherein within 11 includes 106 (generating a record of unique PSDN ID numbers) Private IP address (PSDN ID number) associated with a Group-Packet SW (See fig. 6 & Col. 5, lines 24-56); in particular the 106 is used of to select (selecting a PSDN) a particular Packet switch to provide a connection with an mobile station for the received IP packet.

Re Claim 2, refer to Claim 1, see fig.4C teaches Private IP address associated with Mobile Station ID (See col. 7, lines 1-40) wherein it is inherent that each mobile station is assigned with ID number.

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Re Claims 3, 10, refer to Claim 1, fig. 6 teaches a plurality of SW (n PDSNs) wherein each SW is associated its own Private Address Group (a unique IP address); fig. 4A teaches memory 103 that associates Global IP address with Private IP address (ordered sequence of PSDN ID numbers cross-referenced to the IP addresses).

Re Claims 8, 20, refer to Claim 2, in table of Fig. 4B, depending on the received IP packet (the selection of the first PDSN ID), the table 106 provides switch selection based on the total number of SW already mapped within the table, hence the selection of the SW is inherently responsive to all mapped switches; furthermore, total number of SW (n) could be one switch associated with a single IP address.

Re Claim 9, refer to Claim 7, wherein PW includes forwarding the received packet to another PW based on the location of the mobile (See col. 6, lines 25-68), hence, PS enable handover to another PS regardless of the 11.

Re Claim 19, refer to Claim 1, fig. 1 teaches the Packet SW coupled to MS for providing packet data service, wherein the MS (a first mobile station) is inherently identified with an ID number and is equipped with an transceiver; fig. 2 teaches (m=1) Internet Connection Device 11 with plurality of ports (R1-T1) for providing connection to MS to the Internet 10 (packet data communications with an IP address); 11 is also coupled to plurality of Packet switches (a plurality of n Packet Data Servicing Nodes) wherein fig. 3 teaches plurality of ports of SW, wherein memory 202 maps Private IP address with ID number (unique IP address and a unique ID number).

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Allowable Subject Matter

3. Claims 4-6, 11-18, 21-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

In combination with Claims 1-4; 7-11; 19-21, prior art fails to the PFC selects the first PDSN ID number by dividing the first MS ID by the number of (n) PDSNs in the table.

Response to Arguments

4. Applicant's arguments with respect to claims 1-3, 7-10, and 19-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 703-305-1500. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ANDY LEE
PATENT EXAMINER

AL
3/28/04